

Claims

1. Device for the evaluation of at least one friction property of a ski wax against the surface (2) of snow in a skiing track (1), comprising a disc (61) carried by a stand (3) and having a substantially planar working surface, on which a layer (63) of wax that is to be evaluated is applied, members (5) for the pressing of the disc (61) by a preselected force against the snow surface (2) and driving members for the driving of the disc (61) in relation to the snow surface (2), **characterized** in that the driving members comprise an electric motor (4) having a known relationship between the electric power consumption of the electric motor and the braking power of the disc and that means (8, 16) are provided for the readout of the electric power consumption of the motor, at least in the beginning of the displacement of the disc (6) in relation to the snow surface.

2. Device according to claim 1, **characterized in** that the means (8, 16) are arranged to enable readout of the power consumption of the motor also at a stable displacement motion of the disc, preferably at a predetermined speed of the disc, for the evaluation of the dynamic coefficient of friction of the wax against the snow surface.

3. Device according to claim 1 or 2, **characterized in** that the device has a plurality of appurtenant identical discs (6), which can be switched by means of a quick coupling (43), the discs being provided with layers of different types of waxes that are to be compared with each other by means of the device.

4. Device according to any one of claims 1-3, **characterized in** that the disc (6) is arranged rotatable around a centrally located normal to the working surface coated with the wax layer (63).

5. Device according to any one of claims 1-4, characterized in that a direct-current source (7) is provided for the current supply of the direct-current motor (4) and has a substantially constant voltage, and that the current consumption of the electric motor (4) is read as a measure of the coefficient of friction of the wax.

6. Device according to claim 5, characterized in that compensating means (11) are provided in the circuit of the electric motor in order to compensate for static factors in the power consumption of the motor, whereby the detected current consumption of the motor constitutes a measure of the coefficient of friction of the wax in question against the snow surface (2).